

#	Supervisor Name	Final Year Design Project	Deliverable
1	Swakkhar Shatabda	Development of a Framework/Tool for Generating Serious Games	A GUI based software that will be able to generate games for multi purposes and multi platforms, students must know either unity or java based android application development.
2	Swakkhar Shatabda	A Data Mining Tool to Find Anonymity in Social Media Content Generators	A simple plugin that will be able to detect the anonymity of any content generated in social media that will be usable/installable in chrome. Students must know NLP libraries or how to develop basic plugins or extensions for chrome.
3	Swakkhar Shatabda	Multi-Agent Synchronization in Dynamically Constrained Environments	Algorithm and Solution of real-life problem with multi-agent scenerios
4	Chowdhury Rafeed Rahman	Human Level Grammar Correction and Fluency Enhancement in Sentences	A model that will be able to correct English sentences. Need to know at least the basics of NLP and CNN
5	Chowdhury Rafeed Rahman	Synthetic Grammatical and Fluency based Error Generation from Bangla Sentence Modeling Reality	A tool that can generate grammatical error in correct Bangla sentence. Need prior knowledge on python, Regex library and algorithms
6	Chowdhury Rafeed Rahman	A Web Based App for Tuition Management	Deployed web app. Need prior experience in Django/ Flask and an ORM framework such as sqlalchemy
7	Mohd Moniruzzaman	Utilization of DevOps Tools for Microservices Development and Deployment	An integrated system with microservices and DevOps tools.
8	Mohd Moniruzzaman	Implementation of REST API for E-Commerce system	An E-Commerce system with REST API based extended modules.
9	Mohd Moniruzzaman	F-Commerce System and Social Media Marketing	Facebook based E-Commerce system and marketing campaigns
10	Nahid Hossain	1. Text Simplification Approach to Reduce Linguistic Complexity of Bengali Language.	An intelligent tool to simplify complex structures of sentences to easier and more readable sentences. Such as,"গোধূলিবেলায় পাখ জনশূন্য এ মোর পঁছরে নিঃসঙ্গ হয়ে যাচ্ছিলে। " will be converted to গোধূলিবেলায় পাখ জনশূন্য এ মোর পঁছরে নিঃসঙ্গ হয়ে যাচ্ছিলে।
11	Nahid Hossain	2. A Comprehensive Dialect Conversion Approach on Shylheti and other major Bangladeshi Dialects.	An intelligent tool to convert Sylheti or other major dialects to standard bengali language. Such as Sylheti sentence "আমি ভালভাবে সিলেটি মাতাম ফারি না।" will be converted "আমি ভালো করে সিলেটি বলতে পারি না।".
12	Nahid Hossain	3. Robust Crime Report Analysis and Predictions	The system will analyze crime reports from various datasets and will provide necessary information and predictions of future crimes.
13	Nahid Hossain	4. Proposal from Students	Fresh ideas from students are highly welcomed. A student can discuss his/her idea with me.
14	Md. Mirajul Islam	COVID 19 Application User Sentiment Analysis	Sentiment analysis result from twitter data related to covid 19 application user reaction
15	Md. Mirajul Islam	Information and Signature Verification by NID Image Processing	A tool that can extract the information from provided NID image and verify those along with human signature
16	Suman Ahmmed	Study and Proposed Platform Implementation on Age Based ICT Education - Perspective Bangladesh	Proposed syllabus and Implement the Software platform (Age group 8 - 18 years)
17	Suman Ahmmed	Analysis and Implementation on Total Quality Control Software for Secondary Academic Institutions	
18	Suman Ahmmed	Study and Implement E-commerce site for Agro Farms in Bangladesh (having some AI algorithms/logics)	
19	Mohammad Mamun Elahi	1. Packet Sniffing and Traffic Analysis for Network Forensics	Use network analysis tools like wireshark or Snort to analyze network traffic data for detecting intrusion detection or different types of network attacks
20	Mohammad Mamun Elahi	2. Design of an Intelligent Traffic Information System for a Smart City	Design and simulate an Intelligent Traffic System using Smart Traffic light & Smart lamppost in an urban area using SUMO and NS3
21	Mohammad Mamun Elahi	3. Developing a Intelligent Assistant App for Smart Office Reception	Develop an application software to assist the reception of an office to disseminate proper information to the guests seeking different services and to forward them to the correct department or contact person for efficient service
22	Mohammad Mamun Elahi	4. Network scanning and vulnerability analysis for Ethical Hacking	Using network scanning and vulnerability analysis tools to determine the flaws and vulnerabilities in a network and studying the potential remedies to secure the system
23	Hasan Sarwar	Dvelopment of a Chatting APP (Mobile and Web based)	APP
24	Hasan Sarwar	Development of Analytics on the progress of student learning	A tool to assess the progress of student learning
25	Hasan Sarwar	A systematic study of User Experience (UX)	Research Publication and Some UX

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